

**AMENDMENT OF THE CLAIMS**

Please amend the claims as follows:

- - Claims 1-33(Cancelled)

34. (Previously Presented) A reactor apparatus including a support element adapted to be rotatable about an axis, the support element having a surface, feed means for supplying at least one reactant to the surface of the support element and collector means for collecting product from the surface of the support element, wherein the surface includes an undercut trough into which the at least one reactant is directly supplied by the feed means, and in that, upon rotation of the support element, the at least one reactant forms a generally annular film within the at least one undercut trough and passes therefrom across the surface of the support element, further including a plurality of support elements wherein the plurality of support elements is mounted on a plurality of axes of rotation and wherein a processing unit is provided between the collector means of the first support member and the feed means of the second support member.

35. (Previously Presented) A reactor as claimed in claim 34, wherein the processing unit is a pump, an extruder, a heater or a heat exchanger.

36 . (Previously Presented) A reactor apparatus including a support element adapted to be rotatable about an axis, the support element having a surface, feed means for supplying at least one reactant to the surface of the support element and collector means for collecting product from the surface of the support element, wherein the surface includes an undercut trough into which the at least one reactant is directly supplied by the feed means, and in that, upon rotation of the support element, the at least one reactant forms a generally annular film within the at least one undercut trough and passes therefrom across the surface of the support element, wherein there is further provided a rotary impeller mounted close to the surface and operable to generate a gaseous flow from a periphery of the surface towards a central region thereof, this flow being counter-current to a flow of reactant on the surface.

37 . (Cancelled)

38. (Cancelled) - -